RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/572,932
Source:	1FWP,
Date Processed by STIC:	3/3//06

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IFWP

RAW SEQUENCE LISTING DATE: 03/31/2006
PATENT APPLICATION: US/10/572,932 TIME: 12:21:49

Input Set : A:\082368-007600US.txt
Output Set: N:\CRF4\03292006\J572932.raw

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4 <110> APPLICANT: Nakamura, Yusuke
             Furukawa, Yoichi
     7 <120> TITLE OF INVENTION: METHOD FOR DIAGNOSING HEPATOCELLULAR
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    10 <130> FILE REFERENCE: 082368-007600US
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C--> 12 <141> CURRENT FILING DATE: 2006-03-21
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    15 <150> PRIOR APPLICATION NUMBER: US 60/505,632
    16 <151> PRIOR FILING DATE: 2003-09-24
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                     Met Cys Ser Gln Leu Trp Phe Leu Thr Asp Arg Arg Ile
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    38 ege gag gae tae eeg eag gtg eag ate etg ege gee ete egg eag ege
    39 Arg Glu Asp Tyr Pro Gln Val Gln Ile Leu Arg Ala Leu Arg Gln Arg
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    42 tgc tcc gag cag gac gtg cgc ttc cgg gcg gtg ctt atg gac cag atc
    43 Cys Ser Glu Gln Asp Val Arg Phe Arg Ala Val Leu Met Asp Gln Ile
    44 30
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                                               40
    46 gcc gtc acc atc gtc ggc ggc cac ctc ggc ctc cag cta aac cag aag
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    47 Ala Val Thr Ile Val Gly Gly His Leu Gly Leu Gln Leu Asn Gln Lys
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    50 gcc ctc acc act ttc ccg gat gtg gtg ctt gta cgg gta ccc aca ccc
    51 Ala Leu Thr Thr Phe Pro Asp Val Val Leu Val Arg Val Pro Thr Pro
    52
                    65
                                       70
    54 tca gtg cag tca gac agt gac atc act gtc ctg cga cac ctg gag aag
    55 Ser Val Gln Ser Asp Ser Asp Ile Thr Val Leu Arg His Leu Glu Lys
    58 ctg ggc tgc cgg ttg gtc aat cgc cca cag agc atc tta aat tgc atc
    59 Leu Gly Cys Arg Leu Val Asn Arg Pro Gln Ser Ile Leu Asn Cys Ile
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60 95 100 105	505
62 aac aaa ttc tgg acg ttc caa gaa ctg gct gga cat ggg gtc ccc atg	507
63 Asn Lys Phe Trp Thr Phe Gln Glu Leu Ala Gly His Gly Val Pro Met	
64 110 115 120 125	555
66 cca gac acc ttc tcc tat ggt ggg cat gaa gac ttt tca aaa atg att	555
67 Pro Asp Thr Phe Ser Tyr Gly Gly His Glu Asp Phe Ser Lys Met Ile	
69 130 135 140	
71 gat gaa get gag eec etg gge tae eea gte gtg gtg aag age aca ega	603
72 Asp Glu Ala Glu Pro Leu Gly Tyr Pro Val Val Val Lys Ser Thr Arg	
73 145 150 155	
75 ggc cac cgg gga aaa gct gtt ttt ctg gca aga gat aaa cat cac ctc	651
76 Gly His Arg Gly Lys Ala Val Phe Leu Ala Arg Asp Lys His His Leu	
77 160 165 170	
79 tet gae ate tge cat etg ate ege cae gat gtg eee tae etg tte eag	699
80 Ser Asp Ile Cys His Leu Ile Arg His Asp Val Pro Tyr Leu Phe Gln	
81 175 180 185	
83 aag tac gtg aag gag tcc cat gga aag gac atc cgg gtg gtg gta	747
84 Lys Tyr Val Lys Glu Ser His Gly Lys Asp Ile Arg Val Val Val	
85 190 195 200 205	
87 ggg ggc cag gtc ata ggc tct atg ctt cgc tgc tcc act gat gga cgg	795
88 Gly Gly Gln Val Ile Gly Ser Met Leu Arg Cys Ser Thr Asp Gly Arg	
89 210 215 220	
91 atg cag agc aac tgc tct ctc ggt ggc gtg ggc gtc aag tgt ccg ctg	843
92 Met Gln Ser Asn Cys Ser Leu Gly Gly Val Gly Val Lys Cys Pro Leu	
93 225 230 235	
95 aca gaa caa ggc aag cag ttg gct att cag gtg tcc aac atc cta ggc	891
96 Thr Glu Gln Gly Lys Gln Leu Ala Ile Gln Val Ser Asn Ile Leu Gly	
97 240 245 250	
99 atg gac ttc tgt ggc att gat ctc ctt atc atg gac gat ggc tcc ttt	939
100 Met Asp Phe Cys Gly Ile Asp Leu Leu Ile Met Asp Asp Gly Ser Phe	
101 255 260 265	
103 gtg gtg tgt gag gca aat gct aat gtt ggc ttc cta gcc ttt gac cag	987
104 Val Val Cys Glu Ala Asn Ala Asn Val Gly Phe Leu Ala Phe Asp Gln	
105 270 275 280 285	
107 gca tgc aac tta gat gtg ggt ggg atc att gca gac tat acc atg tcc	1035
108 Ala Cys Asn Leu Asp Val Gly Gly Ile Ile Ala Asp Tyr Thr Met Ser	
109 290 295 300	
111 ttg ctg cca aat agg cag act gga aag atg gct gtc ctc cca gga ctg	1083
112 Leu Leu Pro Asn Arg Gln Thr Gly Lys Met Ala Val Leu Pro Gly Leu	
113 305 310 315	
115 tcg agt cca agg gag aag aac gag ccg gat ggc tgt gct tca gct cag	1131
116 Ser Ser Pro Arg Glu Lys Asn Glu Pro Asp Gly Cys Ala Ser Ala Gln	
117 320 325 330	
119 gga gtt gca gag agc gtc tat acc atc aac agt ggg tct acc tct agc	1179
120 Gly Val Ala Glu Ser Val Tyr Thr Ile Asn Ser Gly Ser Thr Ser Ser	
121 335 340 345	
123 gaa agt gag cct gaa ctg gga gag atc cgg gat tcc tca gca agc aca	1227
124 Glu Ser Glu Pro Glu Leu Gly Glu Ile Arg Asp Ser Ser Ala Ser Thr	
125 350 355 360 365	

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127 atg ggg gcc cca ccc tcc atg ctg ccc gaa cct ggc tac aac att aac 128 Met Gly Ala Pro Pro Ser Met Leu Pro Glu Pro Gly Tyr Asn Ile Asn 370 375 131 aac agg att gct tct gag tta aaa ctt aag tga attcctgctt tttggcagca 1328 132 Asn Arg Ile Ala Ser Glu Leu Lys Leu Lys 133 385 135 tttaaaccaa atcctactgc ttccctagta gttttgagtg aataaaatct ggactaatgt 1388 136 gatttcattt gcacagaaac tagaaatccc atctgggcac tcagcatttt ttctaacgat 1448 137 gatttaagca aatggcctag ctttgtggtt tttacaaaga caaatataaa aacactcaca 1508 138 agaacaaaaa aaaaaaaaaa 140 <210> SEQ ID NO: 2 141 <211> LENGTH: 391 142 <212> TYPE: PRT 143 <213> ORGANISM: Homo sapiens 145 <400> SEQUENCE: 2 146 Met Cys Ser Gln Leu Trp Phe Leu Thr Asp Arg Arg Ile Arg Glu Asp 147 1 5 10 148 Tyr Pro Gln Val Gln Ile Leu Arq Ala Leu Arg Gln Arq Cys Ser Glu 150 Gln Asp Val Arg Phe Arg Ala Val Leu Met Asp Gln Ile Ala Val Thr 152 Ile Val Gly Gly His Leu Gly Leu Gln Leu Asn Gln Lys Ala Leu Thr 55 154 Thr Phe Pro Asp Val Val Leu Val Arg Val Pro Thr Pro Ser Val Gln 70 156 Ser Asp Ser Asp Ile Thr Val Leu Arg His Leu Glu Lys Leu Gly Cys 85 90 158 Arg Leu Val Asn Arg Pro Gln Ser Ile Leu Asn Cys Ile Asn Lys Phe 100 105 160 Trp Thr Phe Gln Glu Leu Ala Gly His Gly Val Pro Met Pro Asp Thr 120 162 Phe Ser Tyr Gly Gly His Glu Asp Phe Ser Lys Met Ile Asp Glu Ala 135 164 Glu Pro Leu Gly Tyr Pro Val Val Lys Ser Thr Arg Gly His Arg 165 145 150 155 166 Gly Lys Ala Val Phe Leu Ala Arg Asp Lys His His Leu Ser Asp Ile 165 170 168 Cys His Leu Ile Arg His Asp Val Pro Tyr Leu Phe Gln Lys Tyr Val 180 185 170 Lys Glu Ser His Gly Lys Asp Ile Arg Val Val Val Gly Gly Gln 195 200 205 172 Val Ile Gly Ser Met Leu Arg Cys Ser Thr Asp Gly Arg Met Gln Ser 215 220 174 Asn Cys Ser Leu Gly Gly Val Gly Val Lys Cys Pro Leu Thr Glu Gln 235 176 Gly Lys Gln Leu Ala Ile Gln Val Ser Asn Ile Leu Gly Met Asp Phe 177 245 250 178 Cys Gly Ile Asp Leu Leu Ile Met Asp Asp Gly Ser Phe Val Val Cys 260 265

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Output Set: N:\CRF4\03292006\J572932.raw

180 Glu Ala Asn Ala Asn Val Gly Phe Leu Ala Phe Asp Gln Ala Cys Asn 275 280 182 Leu Asp Val Gly Gly Ile Ile Ala Asp Tyr Thr Met Ser Leu Leu Pro 290 184 Asn Arg Gln Thr Gly Lys Met Ala Val Leu Pro Gly Leu Ser Ser Pro 185 305 310 315 186 Arg Glu Lys Asn Glu Pro Asp Gly Cys Ala Ser Ala Gln Gly Val Ala 325 330 188 Glu Ser Val Tyr Thr Ile Asn Ser Gly Ser Thr Ser Ser Glu Ser Glu 189 340 345 191 Pro Glu Leu Gly Glu Ile Arg Asp Ser Ser Ala Ser Thr Met Gly Ala 355 360 365 193 Pro Pro Ser Met Leu Pro Glu Pro Gly Tyr Asn Ile Asn Asn Arg Ile 370 375 380 195 Ala Ser Glu Leu Lys Leu Lys 196 385 199 <210> SEQ ID NO: 3 200 <211> LENGTH: 22 201 <212> TYPE: DNA 202 <213> ORGANISM: Artificial Sequence 204 <220> FEATURE: 205 <223> OTHER INFORMATION: An artificially synthesized primer sequence for 206 RT-PCR 208 <400> SEQUENCE: 3 22 209 acaacagcct caagatcatc ag 211 <210> SEQ ID NO: 4 212 <211> LENGTH: 20 213 <212> TYPE: DNA 214 <213> ORGANISM: Artificial Sequence 216 <220> FEATURE: 217 <223> OTHER INFORMATION: An artificially synthesized primer sequence for 218 RT-PCR 220 <400> SEQUENCE: 4 221 ggtccaccac tgacacgttg 20 223 <210> SEQ ID NO: 5 224 <211> LENGTH: 23 225 <212> TYPE: DNA 226 <213> ORGANISM: Artificial Sequence 228 <220> FEATURE: 229 <223> OTHER INFORMATION: An artificially synthesized primer sequence for 230 RT-PCR 232 <400> SEQUENCE: 5 23 233 caaataggca gactggaaag atg 235 <210> SEQ ID NO: 6 236 <211> LENGTH: 23 237 <212> TYPE: DNA 238 <213> ORGANISM: Artificial Sequence 240 <220> FEATURE: 241 <223> OTHER INFORMATION: An artificially synthesized primer sequence for

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PATENT APPLICATION: US/10/572,932 TIME: 12:21:49

Input Set : A:\082368-007600US.txt
Output Set: N:\CRF4\03292006\J572932.raw

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VERIFICATION SUMMARYDATE: 03/31/2006PATENT APPLICATION: US/10/572,932TIME: 12:21:50

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